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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/606,747	06/27/2003	Alex Chou	CHOU3084/EM	5348
23364 7590 05/01/2007 BACON & THOMAS, PLLC 625 SLATERS LANE FOURTH FLOOR ALEXANDRIA, VA 22314			EXAMINER HO, TUAN V	
			ART UNIT 2622	PAPER NUMBER
			MAIL DATE 05/01/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No.	Applicant(s)	
	10/606,747	CHOU, ALEX	
	Examiner	Art Unit	
	Tuan V. Ho	2622	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. ____. |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date ____. | 6) <input type="checkbox"/> Other: ____. |

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1. The following is a quotation of the second paragraph of 35

U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 1-4 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, it is not clear to what claimed "other electronic components", line 2 refers.

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

4. Claims 1-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grivas et al (US 7,076,234 B2) in view of Kurube et al (US 6,670,985).

With regard to claim 1, Grivas discloses in Fig. 1, a cellular handset that comprises the digital camera for handset, a circuit board provided with an image sensor, a CPU, a memory

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(digital camera 111 inherently includes a control circuit CPU, memory card and image sensor); a casing to affix and to enclose said circuit board (camera housing); a connector to be connected to I/O interface of said handset (a wire connection is used to connects the camera to handset 103 as shown in Fig. 1); a lead to provide electrical and/or signal connections between said connector (the wire connection inherently includes a lead so as to transfer and receiver image data) and circuits on said circuit board (a circuit on a board is inherently included in the camera so as to perform camera functions); and at least one affixing means to affix said casing on said handset (a terminal of the connection is used to connect the camera to the handset), except that said casing comprises a think portion and a thick portion and that said thick portion encloses said image sensor after said circuit board is affixed to said casing.

Grivas et al does not explicitly discloses any casing comprises a think portion and a thick portion and that said thick portion encloses said image sensor after said circuit board is affixed to said casing. However, Kurube et al teaches using an image sensing apparatus as shown in Fig. 7, which comprises a casing including a think portion containing an image sensor and thick portion including circuits board (col. 8, lines

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50-3555 and col. 11, lines 19-50); where the structure of the casing provides mechanical strength for the camera.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the camera housing of Grivas et al in the same fashion as disclosed by Kurube et al in order to provide a solid camera housing.

With regard to claim 2, furthermore, Kurube et al discloses the affixing means comprises affixing claw provided in said casing and affixing slot provided on said handset (connector 1B is used to connects to a terminal of a circuit board, col. 11, line 22).

With regard to claim 3, Furthermore, Kurube et al discloses the affixing means comprises a flange provided at inner edge of an open side of said casing (the outside wall of the connector 1B).

With regard to claim 4, Furthermore, Kurube et al discloses the outer shape of said casing complies with shape of said handset (the shape of the connector 1B).

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Ray discloses a wireless communication system that includes a camera.

Jacobsen et al discloses a wireless telephone system that includes a display connecting to the handset.

Gebara et al discloses a camera connecting to a cell phone.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to TUAN HO whose telephone number is (571) 272-7365. The examiner can normally be reached on Mon-Fri from 7AM to 4PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's acting supervisor, David Ometz can be reached on (571) 272-7593. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Customer Service whose telephone number is (571) 272-2600.



TUAN HO

Primary Examiner

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